INDUSTRIAL ENGINEERING (M.S.)

The master of science degree program in Industrial Engineering is built on a core designed to provide breadth of experience in systems modeling, analysis, and applications common in industrial engineering and operations analysis.

Admission Requirements

Admission to the master's program is contingent upon admission to the Graduate School (http://bulletins.wayne.edu/graduate/general-information/admission). Applicants with a baccalaureate degree in engineering from an institution accredited by the Accreditation Board for Engineering and Technology (ABET), and who have earned a grade point average of at least 2.8 in the upper division of their undergraduate program are eligible for admission. GRE Exam is not required for applicants. However, a high GRE score will be considered as an incentive for the evaluation process. Additionally, applicants with an undergraduate degree in mathematics, physics, computer science, or another discipline with a strong analytical base may be considered for admission.

The Master of Science in Industrial Engineering is offered under the following options:

**Plan A:** Thirty-two credits including up to eight thesis credits.

**Plan C:** Thirty-two credits of course work.

Both options require a common core of eight credits. While the core provides breadth to the student's program, depth of understanding is acquired through completion of the required twenty-four credits in one of the specialization areas. Appropriate courses for specific specializations can be found on the department’s website. Students interested in an area not among the specializations cited should elect the general option (twelve core credits are required for the general option). A minimum twenty credits of specialization are required and up to eight credits may be earned in courses outside the Industrial and Systems Engineering Department, but only with prior approval of the graduate advisor. All course work must be completed in accordance with the regulations of the Graduate School (http://bulletins.wayne.edu/graduate/general-information/academic-regulations) and the College of Engineering (http://bulletins.wayne.edu/graduate/college-engineering/academic-regulations).

**Thesis Option:** If a thesis option (Plan A) is selected, up to eight credits of Master’s Thesis Research and Direction (IE 8999) may be required, which integrates with the student’s plan of work to create depth of understanding in an area relevant to the program objective. In such cases, the requirement for the twenty-four credit hour specialization is waived, and an individually-designed program of study must be approved by both the thesis research advisor and the M.S. program officer.